METHOD OF SEMIAUTOMATIC SEGMENTATION FOR THE

ESTIMATION OF THREE-DIMENSIONAL VOLUMES

ABSTRACT OF THE DISCLOSURE

Method of estimation and segmentation of the volume of a three-dimensional object in medical imagery, in which:

- one defines a given number of base points constituting a first three-dimensional shape defined by facets;

5   - each facet of the first shape being defined by three segments, the segments are divided by defining second order points adapted to the contour of the object, so as to constitute a second three-dimensional shape closer to the contour of the object than the first shape;

10   - each segment is iteratively divided into subsegments adjusted by defining third order points adapted to the contour of the object, so as to constitute a third three-dimensional shape closer to the contour of the object than the second shape;

- then, the volume of the third three-dimensional shape is calculated.